

Coordination Models, Languages and Applications

Special Track of the 27th Symposium of Applied Computing (SAC'12)

The ACM logo consists of the letters 'acm' in a white, lowercase, sans-serif font, centered within a dark blue diamond shape.

The Microsoft Research - University of Trento
Centre for Computational and Systems Biology – Trento, Italy
March 25-29, 2012

Aim

Building on the success of the thirteen previous editions (1998-2011), a special track on coordination models, languages and applications will be held at SAC 2012.

Over the last decade, we have witnessed the emergence of models, formalisms and mechanisms to describe concurrent and distributed computations and systems based on the concept of coordination.

The purpose of a coordination model is to enable the integration of a number of possibly heterogeneous components (processes, objects, agents) in such a way that the resulting ensemble can execute as a whole, forming a software system with desired characteristics and functionalities which possibly takes advantage of parallel and distributed systems.

Important Dates

Paper submission: [August 31, 2011](#)

Author notification: [October 12, 2011](#)

Camera-ready copy: [November 02, 2011](#)

Topics

Novel models, languages, programming and implementation techniques

Applications

Internet, Web, and pervasive computing coordinated systems

Coordination of multi-agent systems

Languages for service description and composition

Models, frameworks and tools for Group Decision Making

Cooperative Information Systems

Software architectures and software engineering techniques

Configuration and Architecture Description

Languages

Middleware platforms

Self-organising and nature-inspired coordination

Coordination technologies, systems and infrastructures

Relationship with other computational models

Formal aspects (semantics, reasoning, verification)

Coordination in Service-Oriented Architectures, Web

Service technologies and Pervasive Computing

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Organization

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